

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P599402

Luminaire Tested: **IFLD-S-SA2D-727-U-SLL-HSS**

Issue Date: 05/04/2022

Tested By:

Approved By:



Cooper Lighting Solutions laboratories have been accredited by National Voluntary Laboratory Accreditation Program (NVLAP) that it adheres to the requirements of ISO/IEC 17025:2005 and appropriate IESNA test methods. This report must not be used to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the Federal Government. Results contained in this report are valid for luminaire sample tested, as supplied by requestor. Information related to the luminaire tested has been supplied by requestor and can affect the validity of the test results. Report shall not be reproduced except in full without approval of Cooper Lighting Solutions Lighting Laboratory. Test performed at address noted above.

Test Information

Test Method: LM-79-08
 Report Number: P599402
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA2D-727-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (32) 2700K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

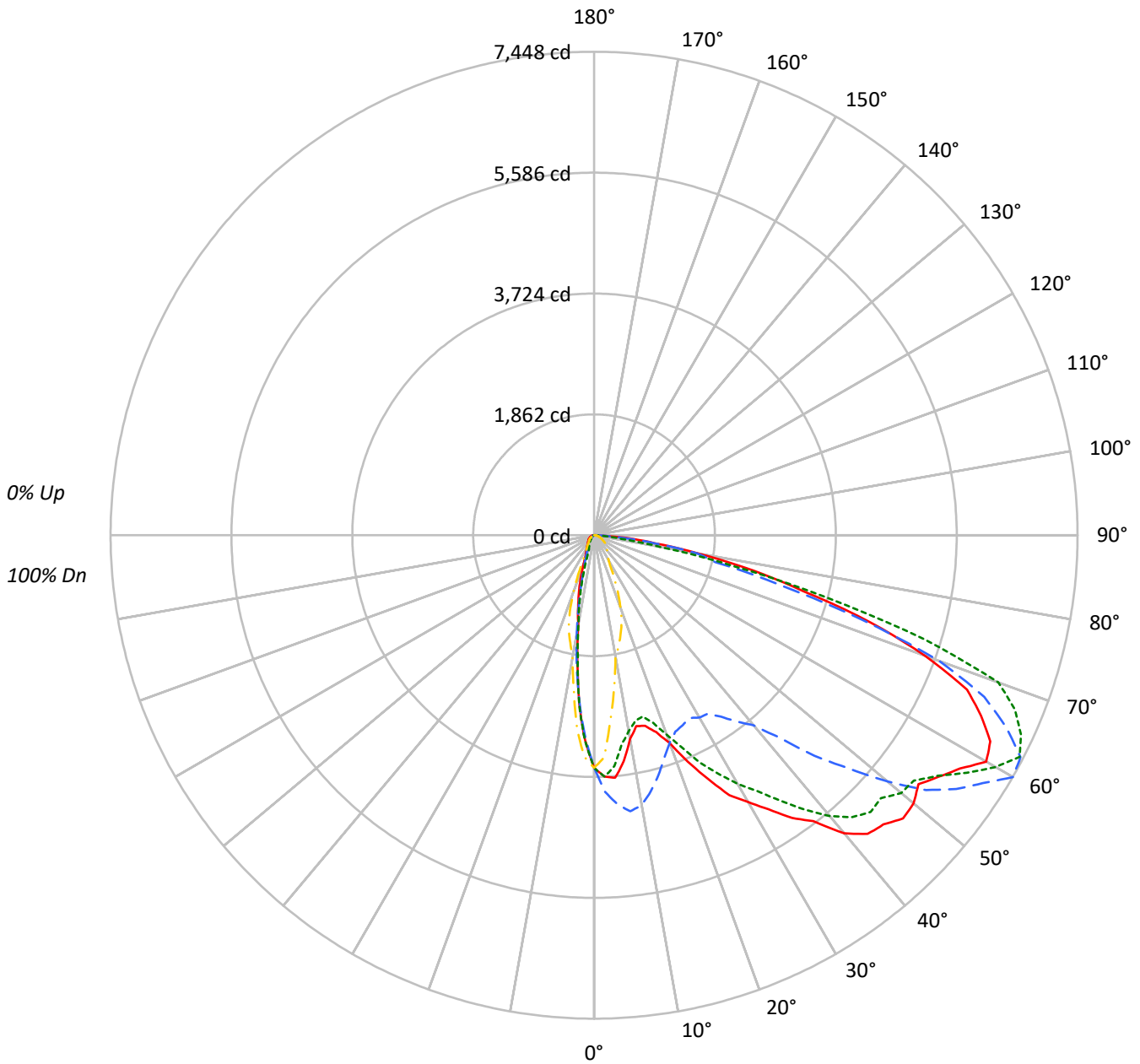
Lumens per Lamp: N/A
 Luminaire Lumens: 9526.2 lumens
 Efficiency: N/A
 Efficacy: 76.9 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 123.9
 Input Voltage (V): 120
 Input Current (Ain): NR
 Voltage Rise (V): NR
 Power Factor: NR
 Total Harmonic Distortion (THDi): NR
 Frequency (hertz): 60
 Stabilization Time: NR
 Operation Time: NR
 Ambient Temperature (°C): NR
 Test Distance: 25 FT

Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	GONIO 1 IN0055	4/22/2021	10/22/2021
Power Meter	XITRON 2801 IN0197	12/1/2020	12/1/2021
AC Power Source	CHROMA 61505 IN0196	12/1/2020	12/1/2021
DC Power Supply	AGILENT E3634A IN0198	11/30/2020	11/30/2021
Room Thermometer	ONSET IN0143	12/1/2020	12/1/2021

TEST NUMBER: P599402
CATALOG NUMBER: IFLD-S-SA2D-727-U-SLL-HSS

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° ··· 90°-270° - · 135°-315°

TEST NUMBER: P599402
 CATALOG NUMBER: IFLD-S-SA2D-727-U-SLL-HSS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	106	100	95	90	103	98	93	89	94	90	86	90	86	83	86	83	81	79	79	79	79
2	94	84	76	69	91	82	75	68	78	72	66	75	70	65	72	67	63	61	61	61	61
3	84	72	62	54	81	70	61	53	67	59	52	64	57	51	61	55	50	48	48	48	48
4	76	62	51	44	73	60	51	43	58	49	43	55	48	42	53	46	41	39	39	39	39
5	69	54	44	36	67	53	43	36	51	42	35	48	41	35	46	40	34	32	32	32	32
6	63	48	38	30	61	47	37	30	45	36	30	43	35	30	41	35	29	27	27	27	27
7	58	43	33	26	56	42	33	26	40	32	26	39	31	26	37	31	25	23	23	23	23
8	54	39	29	23	52	38	29	23	37	28	23	35	28	22	34	27	22	20	20	20	20
9	50	35	26	20	49	35	26	20	34	26	20	32	25	20	31	25	20	18	18	18	18
10	47	33	24	18	46	32	24	18	31	23	18	30	23	18	29	23	18	16	16	16	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	77108	77108	77108	77108
5°	81031	77128	56348	56677
10°	69679	67009	30807	30084
15°	67751	64406	20014	15082
20°	78094	74829	10724	5361
25°	98192	91847	6948	4169
30°	117935	109906	5628	3416
35°	139661	131035	4612	2741
40°	168500	158636	4075	2074
45°	191840	183476	3796	1394
50°	215209	206859	3748	851
55°	243373	242517	3723	383
60°	300326	307448	3397	108
65°	335103	369569	3112	0
70°	341693	417112	2883	0
75°	278036	307656	2753	0
80°	202152	128672	2839	0
85°	130690	54045	3779	0

TEST NUMBER: P599402
 CATALOG NUMBER: IFLD-S-SA2D-727-U-SLL-HSS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.1	2.9
10°-20°	533.6	5.6
20°-30°	738.4	7.8
30°-40°	1043.5	11.0
40°-50°	1420.8	14.9
50°-60°	1881.8	19.8
60°-70°	2184.9	22.9
70°-80°	1237.3	13.0
80°-90°	213.8	2.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1544.1	16.2
0°-40°	2587.6	27.2
0°-60°	5890.2	61.8
0°-90°	9526.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9526.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3582	3582	3582	3582	3582	
5°	3750	3569	2608	2623	3750	337
15°	3040	2890	898	677	3040	892
25°	4134	3867	292	176	4134	1928
35°	5314	4986	176	104	5314	3350
45°	6301	6026	125	46	6301	4885
55°	6484	6462	99	10	6484	5875
65°	6578	7255	61	0	6578	6413
75°	3343	3699	33	0	3343	3648
85°	529	219	15	0	529	636
90°	0	0	0	0	0	

TEST NUMBER: P599402
 CATALOG NUMBER: IFLD-S-SA2D-727-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3581.8	3581.8	3581.8	3581.8	3581.8	3581.8	3581.8	3581.8	3581.8	3581.8	3581.8
2.5°	3721.7	3800.6	3803.1	3838.7	3874.3	3874.3	3958.3	3937.9	3864.2	3851.4	3798.0
5°	3749.7	3777.7	3798.0	3978.6	4131.3	4116.0	4161.8	4131.3	3988.8	3805.6	3681.0
7.5°	3508.0	3538.5	3619.9	3927.8	4133.8	4202.5	4289.0	4098.2	3948.1	3617.4	3378.3
10°	3187.5	3246.0	3396.1	3747.1	4001.5	4220.3	4220.3	4067.7	3777.7	3454.6	3162.0
12.5°	3009.4	3126.4	3207.8	3564.0	3894.7	4044.8	4039.7	3958.3	3770.0	3363.0	3032.3
15°	3039.9	3073.0	3246.0	3523.3	3742.0	3734.4	3826.0	3800.6	3668.3	3444.4	3080.6
17.5°	3179.8	3230.7	3380.8	3523.3	3627.6	3597.0	3594.5	3716.6	3724.2	3581.8	3261.3
20°	3408.8	3558.9	3630.1	3673.4	3546.2	3416.4	3401.2	3571.6	3703.9	3757.3	3477.5
22.5°	3775.1	3874.3	4019.3	3798.0	3467.3	3304.5	3274.0	3462.2	3729.3	3965.9	3757.3
25°	4133.8	4210.1	4350.0	4065.1	3556.3	3281.6	3228.2	3391.0	3826.0	4255.9	4095.6
27.5°	4512.8	4579.0	4594.2	4261.0	3604.7	3235.8	3172.2	3391.0	3907.4	4408.5	4500.1
30°	4744.3	4823.2	4838.5	4434.0	3683.5	3274.0	3243.4	3406.3	3963.4	4538.3	4790.1
32.5°	5003.8	5024.2	5011.4	4464.5	3770.0	3385.9	3258.7	3508.0	4027.0	4693.5	5054.7
35°	5314.2	5349.8	5220.0	4604.4	3963.4	3457.1	3411.3	3632.7	4136.3	4764.7	5375.2
37.5°	5550.7	5662.7	5370.1	4657.8	4001.5	3607.2	3614.9	3892.1	4212.7	4851.2	5728.8
40°	5995.9	5807.7	5624.5	4841.0	4146.5	3861.6	3820.9	4159.2	4469.6	4907.1	5960.3
42.5°	6240.1	6140.9	5723.7	4858.8	4370.4	4212.7	4222.8	4462.0	4604.4	5064.9	6023.9
45°	6301.2	6196.9	5858.6	4871.5	4591.7	4627.3	4802.8	4848.6	4802.8	5169.2	6143.5
47.5°	6456.4	6230.0	5843.3	5042.0	4950.4	5087.8	5311.6	5410.8	5072.5	5131.0	6199.4
50°	6425.8	6296.1	5810.2	5113.2	5387.9	5751.7	5901.8	5861.1	5372.7	5052.1	6138.4
52.5°	6298.6	6158.7	5912.0	5306.5	5797.5	6237.6	6446.2	6344.4	5639.8	5230.2	6097.7
55°	6484.3	6377.5	6044.3	5568.6	6105.3	6665.0	6812.5	6736.2	5967.9	5395.6	6329.2
57.5°	6685.3	6662.4	6402.9	5876.4	6469.1	7105.1	7105.1	7010.9	6252.9	5634.7	6672.6
60°	6975.3	7026.2	6667.5	6079.9	6593.7	7079.6	7448.5	7339.1	6540.3	6054.4	7061.8
62.5°	6881.2	7044.0	7008.4	6517.4	6736.2	7204.3	7405.2	7486.6	6896.5	6565.8	7580.8
65°	6578.5	6751.5	7005.8	6804.9	6629.4	6901.5	7003.3	7250.1	7074.5	7046.5	7794.4
67.5°	6217.2	6405.5	6563.2	6998.2	6413.1	6593.7	6504.7	6583.6	6881.2	7573.1	7916.6
70°	5428.6	5609.3	5858.6	6568.3	5840.7	5677.9	5655.0	5616.9	6079.9	7384.9	7362.0
72.5°	4464.5	4548.5	4960.6	5339.6	4322.1	4291.5	4327.1	4283.9	4820.7	6685.3	6306.3
75°	3342.7	3426.6	3660.6	4100.7	2943.3	2767.7	2971.3	3172.2	3681.0	5189.5	4530.7
77.5°	2513.4	2620.2	2767.7	3067.9	2159.8	1885.0	1913.0	2103.8	2660.9	4156.7	2538.8
80°	1630.6	1617.9	1902.8	2111.4	1625.5	1676.4	1605.2	1745.1	1928.3	2223.4	1297.4
82.5°	941.2	954.0	1073.5	1210.9	1132.0	1294.8	933.6	1559.4	1376.2	905.6	483.3
85°	529.1	552.0	661.4	839.5	709.7	475.7	389.2	773.3	864.9	371.4	234.0
87.5°	53.4	45.8	89.0	318.0	193.3	78.9	117.0	185.7	208.6	139.9	68.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P599402
 CATALOG NUMBER: IFLD-S-SA2D-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3581.8	3581.8	3581.8	3581.8	3581.8	3581.8	3581.8	3581.8	3581.8	3581.8	3581.8
2.5°	3721.7	3721.7	3658.1	3551.3	3508.0	3431.7	3327.4	3360.5	3324.9	3195.1	3162.0
5°	3569.1	3447.0	3314.7	3151.9	3057.7	2864.4	2803.4	2694.0	2711.8	2602.4	2607.5
7.5°	3251.1	3154.4	2930.5	2716.9	2531.2	2363.3	2126.7	2037.6	1951.2	1907.9	1958.8
10°	3065.4	2884.8	2579.5	2299.7	2052.9	1902.8	1745.1	1623.0	1511.1	1427.1	1409.3
12.5°	2930.5	2770.3	2401.4	2060.5	1867.2	1745.1	1600.1	1432.2	1322.8	1177.8	1134.6
15°	2889.8	2694.0	2304.8	1966.4	1778.2	1577.2	1411.9	1246.5	1104.0	951.4	898.0
17.5°	3029.8	2803.4	2302.2	1890.1	1625.5	1409.3	1180.4	994.7	849.7	709.7	676.7
20°	3266.3	2920.4	2376.0	1844.3	1480.5	1190.5	931.1	745.4	582.5	491.0	468.1
22.5°	3536.0	3118.8	2383.6	1722.2	1335.5	971.8	679.2	491.0	399.4	356.1	343.4
25°	3866.7	3436.8	2475.2	1623.0	1165.1	737.7	483.3	376.5	323.1	297.6	292.5
27.5°	4138.9	3658.1	2574.4	1518.7	997.2	546.9	379.0	307.8	279.8	254.4	251.8
30°	4421.3	3912.5	2602.4	1455.1	852.2	450.3	325.6	272.2	241.7	228.9	226.4
32.5°	4668.0	4189.8	2691.4	1350.8	714.8	396.8	295.1	244.2	223.9	203.5	201.0
35°	4986.0	4350.0	2734.7	1294.8	664.0	358.7	269.7	223.9	193.3	180.6	175.5
37.5°	5326.9	4505.2	2762.7	1251.6	620.7	335.8	254.4	211.1	183.2	165.4	160.3
40°	5644.9	4724.0	2722.0	1198.2	587.6	307.8	244.2	195.9	170.4	152.6	145.0
42.5°	5889.1	4937.7	2709.2	1147.3	552.0	297.6	231.5	188.2	160.3	139.9	137.4
45°	6026.5	5082.7	2620.2	1106.6	524.0	302.7	226.4	178.1	152.6	134.8	124.7
47.5°	5993.4	5194.6	2643.1	1093.9	485.9	282.4	223.9	170.4	139.9	124.7	117.0
50°	6176.5	5421.0	2604.9	1053.2	457.9	254.4	244.2	170.4	137.4	119.6	111.9
52.5°	6207.1	5627.1	2686.3	979.4	414.7	234.0	241.7	167.9	132.3	114.5	104.3
55°	6461.5	5866.2	2844.1	938.7	379.0	203.5	221.3	162.8	119.6	104.3	99.2
57.5°	6807.4	6362.2	2945.8	900.5	330.7	178.1	185.7	160.3	109.4	96.7	89.0
60°	7140.7	6560.7	2953.4	831.8	284.9	160.3	145.0	160.3	101.8	86.5	78.9
62.5°	7390.0	6560.7	2902.6	773.3	249.3	142.5	127.2	152.6	91.6	76.3	71.2
65°	7255.1	6385.1	2770.3	725.0	226.4	124.7	109.4	117.0	81.4	66.1	61.1
67.5°	7013.5	5838.2	2477.7	666.5	223.9	109.4	94.1	86.5	71.2	58.5	53.4
70°	6626.8	5100.5	2063.1	600.4	218.8	99.2	83.9	73.8	63.6	50.9	45.8
72.5°	5339.6	4212.7	1694.2	562.2	213.7	86.5	71.2	63.6	53.4	43.2	38.2
75°	3698.8	2691.4	1305.0	480.8	208.6	78.9	66.1	56.0	45.8	35.6	33.1
77.5°	2218.3	1798.5	842.0	361.2	137.4	63.6	56.0	43.2	38.2	30.5	28.0
80°	1037.9	849.7	340.9	139.9	66.1	45.8	38.2	33.1	30.5	25.4	22.9
82.5°	407.0	358.7	165.4	81.4	53.4	35.6	30.5	28.0	25.4	20.4	17.8
85°	218.8	193.3	78.9	56.0	38.2	25.4	25.4	22.9	20.4	17.8	15.3
87.5°	48.3	35.6	33.1	33.1	28.0	20.4	20.4	17.8	15.3	12.7	10.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P599402
 CATALOG NUMBER: IFLD-S-SA2D-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3581.8	3581.8	3581.8	3581.8	3581.8	3581.8	3581.8	3581.8	3581.8	3581.8	3581.8
2.5°	3144.2	3182.4	3121.3	3159.5	3106.1	3146.8	3151.9	3113.7	3123.9	3174.8	3197.7
5°	2678.7	2653.3	2597.3	2579.5	2582.0	2549.0	2561.7	2579.5	2607.5	2622.7	2668.5
7.5°	1930.8	1989.3	1986.8	2030.0	2032.6	2027.5	1991.9	1915.5	1941.0	1920.6	1946.1
10°	1381.3	1406.8	1455.1	1483.1	1534.0	1506.0	1424.6	1394.0	1378.8	1376.2	1401.7
12.5°	1104.0	1043.0	1037.9	1048.1	1073.5	1040.4	999.7	964.1	981.9	1017.6	1045.5
15°	854.7	803.9	737.7	727.5	732.6	717.4	674.1	628.3	641.1	676.7	697.0
17.5°	656.3	597.8	552.0	521.5	511.3	457.9	394.3	356.1	346.0	343.4	361.2
20°	442.6	432.5	424.8	386.7	386.7	310.4	256.9	228.9	228.9	234.0	236.6
22.5°	330.7	318.0	320.5	312.9	292.5	231.5	203.5	195.9	195.9	201.0	201.0
25°	287.5	269.7	264.6	262.0	241.7	198.4	178.1	170.4	170.4	175.5	175.5
27.5°	244.2	239.1	231.5	221.3	203.5	170.4	157.7	150.1	152.6	155.2	152.6
30°	223.9	211.1	201.0	201.0	180.6	152.6	142.5	137.4	132.3	137.4	139.9
32.5°	198.4	190.8	185.7	178.1	155.2	134.8	124.7	119.6	117.0	117.0	119.6
35°	170.4	170.4	165.4	155.2	134.8	122.1	109.4	104.3	101.8	104.3	104.3
37.5°	152.6	145.0	147.5	137.4	119.6	106.8	94.1	89.0	89.0	86.5	89.0
40°	142.5	129.7	122.1	117.0	106.8	91.6	81.4	76.3	73.8	73.8	73.8
42.5°	127.2	117.0	101.8	99.2	96.7	78.9	66.1	63.6	61.1	58.5	58.5
45°	119.6	104.3	91.6	78.9	78.9	66.1	56.0	50.9	48.3	45.8	48.3
47.5°	109.4	94.1	78.9	66.1	63.6	53.4	43.2	38.2	35.6	35.6	35.6
50°	104.3	83.9	68.7	56.0	48.3	43.2	33.1	28.0	25.4	25.4	25.4
52.5°	96.7	78.9	61.1	48.3	38.2	33.1	25.4	20.4	17.8	17.8	17.8
55°	86.5	71.2	53.4	40.7	33.1	25.4	17.8	12.7	10.2	10.2	10.2
57.5°	81.4	63.6	45.8	35.6	25.4	17.8	10.2	7.6	7.6	5.1	7.6
60°	73.8	56.0	38.2	28.0	20.4	12.7	7.6	2.5	2.5	2.5	2.5
62.5°	63.6	48.3	33.1	22.9	15.3	7.6	2.5	0.0	0.0	0.0	0.0
65°	53.4	38.2	25.4	17.8	10.2	2.5	0.0	0.0	0.0	0.0	0.0
67.5°	45.8	33.1	20.4	12.7	7.6	0.0	0.0	0.0	0.0	0.0	0.0
70°	40.7	28.0	15.3	10.2	2.5	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	33.1	22.9	12.7	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	28.0	17.8	7.6	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	22.9	12.7	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	17.8	10.2	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	15.3	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	10.2	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.6	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P599402
 CATALOG NUMBER: IFLD-S-SA2D-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	3581.8	3581.8	3581.8	3581.8	3581.8	3581.8	3581.8	3581.8	3581.8	3581.8
2.5°	3230.7	3215.5	3291.8	3416.4	3480.0	3604.7	3635.2	3714.1	3693.7	3721.7
5°	2673.6	2704.1	2816.1	2999.2	3065.4	3246.0	3416.4	3586.9	3696.3	3749.7
7.5°	1984.2	2086.0	2223.4	2391.2	2561.7	2798.3	3088.3	3286.7	3393.5	3508.0
10°	1478.0	1587.4	1745.1	1910.5	2187.7	2452.3	2742.3	2989.1	3080.6	3187.5
12.5°	1162.6	1333.0	1516.2	1694.2	1859.6	2111.4	2470.1	2828.8	2928.0	3009.4
15°	809.0	1017.6	1279.6	1511.1	1742.6	1961.3	2332.7	2767.7	2902.6	3039.9
17.5°	447.7	613.1	913.3	1238.9	1579.7	1915.5	2378.5	2879.7	3083.2	3179.8
20°	259.5	325.6	539.3	926.0	1376.2	1816.3	2401.4	3090.8	3360.5	3408.8
22.5°	213.7	236.6	305.3	580.0	1126.9	1752.7	2518.4	3385.9	3660.6	3775.1
25°	183.2	201.0	236.6	348.5	852.2	1617.9	2592.2	3754.8	4009.2	4133.8
27.5°	162.8	180.6	208.6	256.9	580.0	1432.2	2714.3	4088.0	4342.4	4512.8
30°	142.5	157.7	185.7	218.8	401.9	1223.6	2818.6	4332.2	4690.9	4744.3
32.5°	127.2	139.9	160.3	188.2	297.6	928.5	2902.6	4584.1	4886.8	5003.8
35°	109.4	124.7	137.4	160.3	226.4	699.6	2851.7	4780.0	5174.3	5314.2
37.5°	96.7	106.8	119.6	134.8	190.8	546.9	2747.4	5014.0	5421.0	5550.7
40°	81.4	89.0	104.3	119.6	173.0	422.3	2627.8	5296.4	5767.0	5995.9
42.5°	68.7	76.3	86.5	111.9	142.5	312.9	2386.2	5515.1	6046.8	6240.1
45°	53.4	63.6	78.9	111.9	114.5	231.5	2136.9	5677.9	6204.5	6301.2
47.5°	40.7	50.9	76.3	96.7	91.6	160.3	1841.8	5863.6	6367.3	6456.4
50°	30.5	40.7	86.5	83.9	76.3	122.1	1656.1	5993.4	6377.5	6425.8
52.5°	20.4	30.5	71.2	63.6	63.6	106.8	1605.2	5988.3	6402.9	6298.6
55°	15.3	22.9	40.7	45.8	56.0	94.1	1559.4	6179.1	6410.6	6484.3
57.5°	10.2	17.8	28.0	35.6	48.3	81.4	1465.3	6408.0	6647.2	6685.3
60°	5.1	12.7	20.4	28.0	40.7	71.2	1333.0	6575.9	6934.6	6975.3
62.5°	2.5	7.6	15.3	22.9	33.1	56.0	1195.6	6308.8	6810.0	6881.2
65°	0.0	5.1	10.2	15.3	20.4	40.7	971.8	5695.7	6316.5	6578.5
67.5°	0.0	0.0	5.1	10.2	12.7	30.5	732.6	5181.9	5861.1	6217.2
70°	0.0	0.0	2.5	2.5	7.6	22.9	468.1	4291.5	5232.8	5428.6
72.5°	0.0	0.0	0.0	0.0	2.5	15.3	272.2	3187.5	4100.7	4464.5
75°	0.0	0.0	0.0	0.0	0.0	12.7	137.4	2050.4	2854.2	3342.7
77.5°	0.0	0.0	0.0	0.0	0.0	10.2	73.8	1322.8	2103.8	2513.4
80°	0.0	0.0	0.0	0.0	0.0	2.5	43.2	768.3	1345.7	1630.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	17.8	376.5	803.9	941.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	5.1	201.0	401.9	529.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	28.0	53.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)